

## WHAT IS CLAIMED IS:

1. An optical wireless communications system comprising:
  - a first optical wireless communications apparatus for transmitting a pilot beam; and
  - a second optical wireless communications apparatus for receiving the pilot beam to have a match for an optical axis of the first optical wireless communications apparatus and another optical axis of the second optical wireless communications apparatus, wherein
    - the first optical wireless communications apparatus includes a modulator for modulating the pilot beam with a specific signal, and
    - the second optical wireless communications apparatus includes a demodulator for demodulating the modulated and transmitted pilot beam to reproduce the specific signal and sending the reproduced specific signal to at least either the second optical wireless communications apparatus or an apparatus connected to the second optical wireless communications apparatus.
2. The optical wireless communications system according to claim 1 wherein the first optical wireless communications apparatus further includes a control-signal receiver for receiving an external remote control signal, as the specific signal, for controlling at least either the second optical wireless communications apparatus or the apparatus connected to the second optical wireless communications apparatus.
3. The optical wireless communications system according to claim 1 wherein the specific signal carries information on conditions of at least either the first optical wireless communications apparatus or an apparatus connected to the first optical wireless communications apparatus.
4. An optical wireless communications system to be used for a video system having a video supply apparatus and a video display apparatus placed apart from each other comprising:
  - a first optical wireless communications apparatus, provided for the video display apparatus, for transmitting a pilot beam; and
  - a second optical wireless communications apparatus, provided for the video supply apparatus, for transmitting an optical signal carrying a video signal to the video display apparatus via the first optical wireless communications apparatus

and for receiving the pilot beam to have a match for an optical axis of the first optical wireless communications apparatus and another optical axis of the second optical wireless communications apparatus, wherein

the first optical wireless communications apparatus includes a modulator for modulating the pilot beam with a specific signal, and

the second optical wireless communications apparatus includes a demodulator for demodulating the modulated and transmitted pilot beam to reproduce the specific signal and sending the reproduced specific signal to at least either the second optical wireless communications apparatus or an apparatus connected to the second optical wireless communications apparatus.

5. The optical wireless communications system according to claim 4 wherein the first optical wireless communications apparatus further includes a control-signal receiver for receiving an external remote control signal, as the specific signal, for controlling at least either the second optical wireless communications apparatus or the apparatus connected to the second optical wireless communications apparatus.

6. The optical wireless communications system according to claim 4 wherein the specific signal carries information on conditions of at least either the first optical wireless communications apparatus or an apparatus connected to the first optical wireless communications apparatus.